

City of South Salt Lake Fire Code Training Ammunition, Manufacture, Storage and Sales

**IFC Chapter 54
NFPA Chapter NFPA 495**

9-9-12

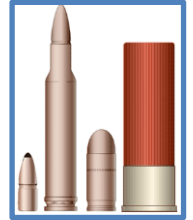


This document is designed as a summary guide using IFC or other recognized code requirements for the provisions associated with Ammunition, Manufacture, Storage and Sales

Introduction:

This material is not designed to cover or explain all topics that may pertain to the use, storage or manufacturer of ammunition. This is only a guide. For specific questions please contact the South Salt Lake City Fire Marshal at 801- 518-8138 or Bjohnson@southsaltlakecity.com.

CHAPTER 56,EXPLOSIVES AND FIREWORKS SECTION 5601 GENERAL



5601.1 Scope.

The provisions of this chapter shall govern the possession, manufacture, storage, handling, sale and use of explosives, explosive materials, fireworks and small arms ammunition.

Exceptions:

- 1.The Armed Forces of the United States, Coast Guard or National Guard.
- 2.Explosives in forms prescribed by the official United States Pharmacopoeia.
- 3.The possession, storage and use of small arms ammunition when packaged in accordance with DOTn packaging requirements.
- 4.The possession, storage and use of **not more than 1 pound (0.454 kg) of commercially manufactured sporting black powder, 20 pounds (9 kg) of smokeless powder and 10,000 small arms primers for hand loading of small arms ammunition for personal consumption.**
- 5.The use of explosive materials by federal, state and local regulatory, law enforcement and fire agencies acting in their official capacities.
- 6.Special industrial explosive devices which in the aggregate contain less than 50 pounds (23 kg) of explosive materials.
- 7.The possession, storage and use of blank industrial-power load cartridges when packaged in accordance with DOTn packaging regulations.
- 8.Transportation in accordance with DOTn 49 CFR Parts 100–185.
- 9.Items preempted by federal regulations.

Summary:

Exempt from the listed code requirements contained in this document are: Federal, Law Enforcement, DOTn, special industrial explosives.

If for personal use, the following is exempt:

“The possession, storage and use of **not more than 1 pound of commercially manufactured sporting black powder, 20 pounds of smokeless powder and 10,000 small arms primers for hand loading of small arms ammunition for personal consumption**”.

5601.2.1 Residential uses.

No person shall keep or store, nor shall any permit be issued to keep or store, any explosives at any place of habitation, or within 100 feet thereof.

Exception: Storage of smokeless propellant, black powder and small arms primers for personal use and not for resale in accordance with Section 5606.



5601.2.2 Sale and retail display.

No person shall construct a retail display nor offer for sale explosives, explosive materials or fireworks upon highways, sidewalks, public property or in Group A or E occupancies.



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5601.2.3 Permit restrictions.

The fire code official is authorized to limit the quantity of explosives, explosive materials or fireworks permitted at a given location. No person possessing a permit for storage of explosives at any place, shall keep or store an amount greater than authorized in such permit. Only the kind of explosive specified in such a permit shall be kept or stored.

5601.2.4 Financial responsibility.

Before a permit is issued, as required by Section 5601.2, the applicant shall file with the jurisdiction a corporate surety bond in the principal sum of \$100,000 or a public liability insurance policy for the same amount, for the purpose of the payment of all damages to persons or property which arise from, or are caused by, the conduct of any act authorized by the permit upon which any judicial judgment results. The fire code official is authorized to specify a greater or lesser amount when, in his or her opinion, conditions at the location of use indicate a greater or lesser amount is required. Government entities shall be exempt from this bond requirement.



5601.6 Notification.

Whenever a new explosive material storage or manufacturing site is established, including a temporary job site, the local law enforcement agency, fire department and local emergency planning committee shall be notified 48 hours in advance, not including Saturdays, Sundays and holidays, of the type, quantity and location of explosive materials at the site.

SECTION 5606

SMALL ARMS AMMUNITION AND SMALL ARMS AMMUNITION COMPONENTS

5606.1 General.

Indoor storage and display of black powder, smokeless propellants, small arms primers and small arms ammunition shall comply with this section and NFPA 495.

5606.2 Prohibited storage.

Small arms ammunition shall not be stored together with Division 1.1, Division 1.2 or Division 1.3 explosives unless the storage facility is suitable for the storage of explosive materials.

5606.3 Packages.

Smokeless propellants shall be stored in approved shipping containers conforming to DOTn 49 CFR Part 173.

5606.3.1 Repackaging.

The bulk repackaging of smokeless propellants, black powder and small arms primers shall not be performed in retail establishments.

5606.3.2 Damaged packages.

Damaged containers shall not be repackaged.

Exception: Approved repackaging of damaged containers of smokeless propellant into containers of the same type and size as the original container.

5606.4 Storage in Group R occupancies.

The storage of small arms ammunition components in Group R occupancies shall comply with Sections 5606.4.1 through 5606.4.3.

5606.4.1 Black powder.

Black powder for personal use in quantities not exceeding 20 pounds shall be stored in original containers in occupancies limited to Group R-3. Quantities exceeding 20 pounds (9 kg) shall not be stored in any Group R occupancy.

5606.4.2 Smokeless propellants.

Smokeless propellants for personal use in quantities not exceeding 20 pounds shall be stored in original containers in occupancies limited to Group R-3. Smokeless propellants in quantities exceeding 20 pounds but not exceeding 50 pounds and kept in a wooden box or cabinet having walls of at least 1 inch nominal thickness shall be allowed to be stored in occupancies limited to Group R-3. Quantities exceeding these amounts shall not be stored in any Group R occupancy.

5606.4.3 Small arms primers.

Not more than 10,000 small arms primers shall be stored in occupancies limited to Group R-3.

5606.5 Display and storage in Group M occupancies.

The display and storage of small arms ammunition components in Group M occupancies shall comply with Sections 5606.5.1 through 5606.5.2.3.

5606.5.1 Display.

Display of small arms ammunition components in Group M occupancies shall comply with Sections 5606.5.1.1 through 5606.5.1.3.

5606.5.1.1 Smokeless propellant.

Not more than 20 pounds of smokeless propellants, in containers of 1 pound or less capacity each, shall be displayed in Group M occupancies.

5606.5.1.2 Black powder.

No more than 1 pound of black powder shall be displayed in Group M occupancies.

5606.5.1.3 Small arms primers.

No more than 10,000 small arms primers shall be displayed in Group M occupancies.

5606.5.2 Storage.

Storage of small arms ammunition components shall comply with Sections 5606.5.2.1 through 5606.5.2.3.



5606.5.2.1 Smokeless propellant.

Commercial stocks of smokeless propellants shall be stored as follows:

1. Quantities exceeding 20 pounds, but not exceeding 100 pounds (shall be stored in portable wooden boxes having walls of at least 1 inch nominal thickness.
2. Quantities exceeding 100 pounds, but not exceeding 800 pounds, shall be stored in nonportable storage cabinets having walls at least 1 inch nominal thickness. Not more than 400 pounds shall be stored in any one cabinet, and cabinets shall be separated by a distance of at least 25 feet or by a fire partition having a fire-resistance rating of at least 1 hour.
3. Storage of quantities exceeding 800 pounds, but not exceeding 5,000 pounds in a building shall comply with all of the following:
 - 3.1. The warehouse or storage room is inaccessible to unauthorized personnel.
 - 3.2. Smokeless propellant shall be stored in nonportable storage cabinets having wood walls at least 1 inch nominal thickness and having shelves with no more than 3 feet of separation between shelves.
 - 3.3. No more than 400 pounds is stored in any one cabinet.
 - 3.4. Cabinets shall be located against walls of the storage room or warehouse with at least 40 feet between cabinets.

3.5. The minimum required separation between cabinets shall be 20 feet (6096 mm) provided that barricades twice the height of the cabinets are attached to the wall, midway between each cabinet. The barricades must extend a minimum of 10 feet outward, be firmly attached to the wall and be constructed of steel not less than 1/4 inch thick (6.4 mm), 2-inch (51 mm) nominal thickness wood, brick or concrete block.

3.6. Smokeless propellant shall be separated from materials classified as combustible liquids, flammable liquids, flammable solids or oxidizing materials by a distance of 25 feet or by a fire partition having a fire-resistance rating of 1 hour.

3.7. The building shall be equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.

4. Smokeless propellants not stored according to Item 1, 2, or 3 above shall be stored in a Type 2 or 4 magazine in accordance with Section 5604 and NFPA 495.

5606.5.2.2 Black powder.

Commercial stocks of black powder in quantities less than 50 pounds shall be allowed to be stored in Type 2 or 4 indoor or outdoor magazines. Quantities greater than 50 pounds shall be stored in outdoor Type 2 or 4 magazines. When black powder and smokeless propellants are stored together in the same magazine, the total quantity shall not exceed that permitted for black powder.



5606.5.2.3 Small arms primers.

Commercial stocks of small arms primers shall be stored as follows:

1. Quantities not to exceed 750,000 small arms primers stored in a building shall be arranged such that not more than 100,000 small arms primers are stored in any one pile and piles are at least 15 feet apart.
2. Quantities exceeding 750,000 small arms primers stored in a building shall comply with all of the following:
 - 2.1. The warehouse or storage building shall not be accessible to unauthorized personnel.
 - 2.2. Small arms primers shall be stored in cabinets. No more than 200,000 small arms primers shall be stored in any one cabinet.
 - 2.3. Shelves in cabinets shall have vertical separation of at least 2 feet.
 - 2.4. Cabinets shall be located against walls of the warehouse or storage room with at least 40 feet between cabinets. The minimum required separation between cabinets shall be allowed to be reduced to 20 feet provided that barricades twice the height of the cabinets are attached to the wall, midway between each cabinet. The barricades shall be firmly attached to the wall and shall be constructed of steel not less than 1/4 inch thick, 2-inch nominal thickness wood, brick or concrete block.

